

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: August 23, 2003, 11:37:06 ; Search time 342 Seconds

(without alignments)  
12257.974 Million cells: updates/sec

Title: US-09-745-506-74

Perfect score: 1553  
Sequence: 1 GTGATGCTTACTTGTGCT ..... TCTGTTACTTACATTCAA 1553

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 2552756 segs, 1349719017 residues

Total number of hits satisfying chosen parameters: 5105512

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

N\_Geneseq\_19Jun03:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	1524	98.1	1739	23	ABV23243	Human prostate exp
2	1524	98.1	1739	23	ABV29087	Human prostate exp
3	1515	97.6	1574	22	AAH16397	Human cDNA sequenc
4	1461.6	94.1	1696	22	AAK60866	Human immune/haema
5	1404.8	90.5	1554	22	AA544644	Human full-length
6	1337.4	86.1	1398	22	AAFS9945	Human gene express
7	1300	83.7	1385	24	ABLF0919	Human protein kin
8	1054	67.9	1686	23	AA585172	DNA encoding novel

9	1053	67.8	1053	22	AAH52212	Human AFP protein
10	725	46.7	796	22	AAH07192	Human cDNA clone (
11	424	27.3	462	22	AAI23953	Human breast cancer
12	417	26.9	14969	22	AAK78763	Human immune/haema
13	396.8	25.6	514	22	AAI15105	Human breast cancer
14	355.6	22.9	513	22	AA544816	Human contig polyn
15	288.2	18.6	394	25	ABX45683	Bovine EST associa
16	284	18.3	463	22	AAK63571	Human immune/haema
17	265	17.1	495	23	AA585169	DNA encoding novel
18	224.8	14.5	249	21	AAK52660	Human secreted pro
19	220.4	14.2	465	22	ABA46423	Human breast cell
20	220.4	14.2	465	22	ABA57019	Human foetal liver
21	220.4	14.2	465	22	AAK05073	Human brain expres
22	220.4	14.2	465	22	AAI15235	Probe #5168 for ge
23	220.4	14.2	465	22	AAI04973	Probe #4964 used t
24	220.4	14.2	465	23	AB510297	Human liver single
25	208	13.4	208	22	ABA51524	Human breast cell
26	208	13.4	208	22	ABA69581	Human foetal liver
27	208	13.4	208	22	AAK17792	Human brain expres
28	208	13.4	208	22	AAI24414	Probe #14347 for g
29	208	13.4	208	22	AAI09950	Human liver single
30	208	13.4	208	23	AB543283	Human liver single
31	188.2	12.2	633	22	AA534287	Human cDNA encodin
32	188.4	12.1	591	23	ABV42397	Human prostate exp
33	188.4	12.1	720	23	ABV22093	Human prostate exp
34	188.4	12.1	720	23	ABV22203	Human prostate exp
35	188.4	12.1	720	23	ABV27892	Human prostate exp
36	188.4	12.1	720	23	ABV27933	Human prostate exp
37	188.4	12.1	720	23	ABV28038	Human prostate exp
38	186.8	12.0	370	23	AA585170	DNA encoding novel
39	165.8	10.7	510	23	ABV03161	Human prostate exp
40	156.6	10.1	522	23	AA585171	DNA encoding novel
41	134.2	8.6	357	23	AA505124	Human prostate exp
42	114.6	7.4	443	23	ABV14293	Human prostate exp
43	113.8	7.3	273	23	ABV53580	Human prostate exp
44	113.8	7.3	273	23	ABV44212	Human prostate exp
45	108.4	7.0	1011	23	ABL07427	Drosophila melanog

#### ALIGNMENTS

RESULT 1	
ABV23243	standard; cDNA; 1739 BP.
ID	ABV23243
AC	ABV23243;
XX	16-SEP-2002 (first entry)
DT	Human prostate expression marker cDNA 23234.
XX	Human; prostate cancer; cytostatic; carcinogen; pharmacodynamic marker;
XX	pharmacogenomic marker; gene; ss.
OS	Homo sapiens.
XX	WO200106860-A2.
PN	23-AUG-2001.
PD	20-FEB-2001; 2001WO-US05171.
PF	17-FEB-2000; 2000US-183319P.
XX	16-MAR-2000; 2000US-189862P.
PR	25-MAY-2000; 2000US-207454P.
PR	09-JUN-2000; 2000US-211314P.
PR	18-JUL-2000; 2000US-219007P.
PR	13-DEC-2000; 2000US-255281P.
PA	(MILL-) MILLENNIUM PREDICTIVE MEDICINE INC.
XX	Schlegel R, Endege WO, Monahan JE;
PI	







PR	11-JUL-2000	2000US-0217487
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PR 08-NOV-2000; 2000US-0246613.  
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PR 01-DEC-2000; 2000US-0250160.  
PR 01-DEC-2000; 2000US-0250391.  
PR 05-DEC-2000; 2000US-0251030.  
PR 05-DEC-2000; 2000US-0251988.  
PR 05-DEC-2000; 2000US-0256719.  
PR 06-DEC-2000; 2000US-0251479.  
PR 08-DEC-2000; 2000US-0251856.  
PR 08-DEC-2000; 2000US-0251869.  
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PR 08-DEC-2000; 2000US-0251989.  
PR 08-DEC-2000; 2000US-0251990.  
PR 11-DEC-2000; 2000US-0254097.  
PR 05-JAN-2001; 2001US-0259678.  
XX  
XX  
XX (HUMA-) HUMAN GENOME SCI INC.  
XX  
XX Rosen CA, Barash SC, Ruben SM;  
XX  
XX WPT: 2001-483426/52.  
XX P-PSDB: AAM88085.  
XX  
XX Nucleic acids encoding human immune/hematopoietic antigen polypeptides,  
XX useful for preventing, diagnosing and/or treating cancers and  
XX metastasis -  
XX  
XX Claim 1; SEQ ID NO 5926; 3071pp + Sequence Listing; English.  
XX  
XX  
XX AAK54951 to AAK64702 encode the human immune/hematopoietic antigen (I)  
XX amino acid sequences given in AAM82170 to AAM91921. (I) have cytotoxic  
XX activity, and can be used in gene therapy and vaccine production. (I)  
XX proteins and polynucleotides may be used in the prevention, diagnosis and  
XX treatment of diseases associated with inappropriate (I) expression. For  
XX example, they may be used to treat disorders associated with decreased  
XX expression by rectifying mutations or deletions in a patient's genome  
XX that affect the activity of (I) by expressing inactive proteins or to  
XX supplement the patients own production of (I). Additionally, (I)

CC polynucleotides may be used to produce the secreted (I), by inserting  
CC the nucleic acids into a host cell and culturing the cell to express the  
CC protein. (I) proteins and polynucleotides may be used to prevent,  
CC diagnose and treat immune/hematopoietic-related diseases, especially  
CC cancers and cancer metastases of haematopoietic-derived cells. AAK64703  
CC to AAK87694 represent human immune/hematopoietic antigen genomic  
CC sequences from the present invention. AAK54942 to AAK54950 and AAM82169  
CC represent sequences used in the exemplification of the present invention.  
XX  
XX  
SQ Sequence 1696 BP; 510 A; 369 C; 379 G; 435 T; 3 other;  
Query Match 94.1%; Score 1461.6; DB 22; Length 1696;  
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Matches 1547; Conservative 0; Mismatches 4; Indels 53; Gaps 3;  
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QY 61 CCTGCCGACACAGACAGACAGCAGCTAGTGGACAGAGGGCTCTGACTGACTTAATCTG 120  
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QY 121 CTGTGCTGTGTTTCTTCT 180  
DB 132 CTGTGCTGTGTTTCTTCT 191  
QY 181 TAGATG-----AGT 189  
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QY 190 CCCACAGACAGTCCGGTTGTAGATTCCTGATCTGCAATCTTCCCTTCATGGA 249  
DB 252 CCCACAGACAGTCCGGTTGTAGATTCCTGATCTGCAATCTTCCCTTCATGGA 311  
QY 250 TTGGAAGGCT 309  
DB 312 TTGGAAGGCT 371  
QY 310 GGACAAATGTTGATTAATCTGTTGGAACCAAGCCACACATCTGTAATATCACTCTCTCT 369  
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QY 370 GACCAATGACCTGACTGAGGAAGTATGAGAGAGTGTGCAAAAGAGACAGACTCTAT 429  
DB 432 GACCAATGACCTGACTGAGGAAGTATGAGAGAGTGTGCAAAAGAGACAGACTCTAT 491  
QY 430 TCT 489  
DB 492 TCT 551  
QY 490 GGAGCCGCTGTGATCCGGGCTCTGAGAGAGAGAGTGTATCTACTCTCTCTCTCTCTCTCT 549  
DB 552 GGAGCCGCTGTGATCCGGGCTCTGAGAGAGAGAGTGTATCTACTCTCTCTCTCTCTCTCT 611  
QY 550 CTATGATGCTGCGCCCGACAGGCGCTCAACAATGTTGGCTAAAGGGCTTGAGCTTGAC 609  
DB 612 CTATGATGCTGCGCCCGACAGGCGCTCAACAATGTTGGCTAAAGGGCTTGAGCTTGAC 671  
QY 610 CTCAGAGGCCATACATCTCTTCCAAAGCTCCCAACTACCTTACAGAGAGGAAACACAGAGT 669  
DB 672 CTCAGAGGCCATACATCTCTTCCAAAGCTCCCAACTACCTTACAGAGAGGAAACACAGAGT 731  
QY 670 AGAATTCAAGCTTAATCAACCCAGAGACTGGAACAAGTATGTCAGTGAAGAAAT 729  
DB 732 AGAATTCAAGCTTAATCAACCCAGAGACTGGAACAAGTATGTCAGTGAAGAAAT 791  
QY 730 TACAGGCTTTCTGCTACT 789  
DB 792 TACAGGCTTTCTGCTACT 851  
QY 790 TATCTGAAATTTACCAAGAGCTTGTGAGAGGTTGATTTCTTCCGGAGACA 849



QY	250	TTTGAAGGCTCTCCCTTCTTCTTCCTTGAATGACTTTTGCAATCCCTCCTCTTGTGCGAGATTG	303
Db	241	TTTGAAGGCTCTCCCTTCTTCTTCTTGAATGACTTTTGCAATCCCTCCTCTTGTGCGAGATTG	300
QY	310	GGACAAATTTGGATTACTGTGTGAACAACGAAGCCACACATATCTGTAATATACACTTCTCT	369
Db	301	GGACAAATTTGGATTACTGTGTGAACAACGAAGCCACACATATCTGTAATATACACTTCTCT	360
QY	370	GACCAATGACTGACTGAGGAATGATGGAGAGGTGCTGCMAAAGAAGCAGACTCAT	429
Db	361	GACCAATGACTGACTGAGGAATGATGGAGAGGTGCTGCMAAAGAAGCAGACTCAT	420
QY	430	TCTCTCCACATCCGCTATCTTCCGACCCATGAAGGGCAATACCTGGAACACATGGAA	489
Db	421	TCTCTCCACATCCGCTATCTTCCGACCCATGAAGGGCAATACCTGGAACACATGGAA	480
QY	490	GGAGCGCTGTGTATCGGGGCTGTGAGAACAGATCGGTATCTACTTCCTCATACAGC	549
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QY	550	CTATGATGCTGTGGCCCGAGGGCGTCACAACTGGTGGCTTAAAGGCTTGGAGCTTGAC	609
Db	541	CTATGATGCTGTGGCCCGAGGGCGTCACAACTGGTGGCTTAAAGGCTTGGAGCTTGAC	600
QY	610	CTCCAGGGCCATACCTCTTCCCAAGGCTCCCAACTACCTACAGAGGAAACCAACGAGT	669
Db	601	CTCCAGGGCCATACCTCTTCCCAAGGCTCCCAACTACCTACAGAGGAAACCAACGAGT	660
QY	670	AGAAATTCAGGTTAACTACACCCCAAGACCTGGACAAAGTCATGTCTGATGAAAGCAT	729
Db	661	AGAAATTCAGGTTAACTACACCCCAAGACCTGGACAAAGTCATGTCTGATGAAAGCAT	720
QY	730	TGACGGTGTCTGTCACTCTTTTCTTGTGTGTAGAGCTGTATGAGGAACAACAGCAT	789
Db	721	TGACGGTGTCTGTCACTCTTTTCTTGTGTGTGTAGAGCTGTATGAGGAACAACAGCAT	780
QY	790	TAAATCTGAATTTGTACTCAGAAAGGCTTTGATGAGGTGTAGATTTTCTTTCCCGGACAA	849
Db	781	TAAATCTGAATTTGTACTCAGAAAGGCTTTGATGAGGTGTAGATTTTCTTTCCCGGACAA	840
QY	850	ACAATTTATCAGAAAGGAGAAATTCGTCTCACTGGAGAAAGCCTTTCCTTACATATACGG	909
Db	841	ACAATTTATCAGAAAGGAGAAATTCGTCTCACTGGAGAAAGCCTTTCCTTACATATACGG	900
QY	910	AATGGGACGGTTATGACACACTGATGAATCTGTCTCCCTGGCAACCATGATGATGCAAT	969
Db	901	AATGGGACGGTTATGACACACTGATGAATCTGTCTCCCTGGCAACCATGATGATGCAAT	960
QY	970	AAAAAGAACCTTAAAACTATCATATTCGTTATGCGCTTGGGGGGGAGAACCTTGA	1029
Db	961	AAAAAGAACCTTAAAACTATCATATTCGTTATGCGCTTGGGGGGGAGAACCTTGA	1020
QY	1030	GCTCTCAATCAAAAGTCGTGGCCCTGTGTGCTGTGCTTGGAGACAGCCTTCTGCAAGGTGT	1088
Db	1021	GCTCTCAATCAAAAGTCGTGGCCCTGTGTGCTGTGCTTGGAGACAGCCTTCTGCAAGGTGT	1080
QY	1090	TGAGGCTGACTTTTACTCTACAGGTGAGATGCCATCATGATACTTTGGATGCTGCTTC	1149
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QY	1150	CCAAGGAATTAATGTATCATCTGTGGAACACAGCAACTGAAGAGGCTTCTTCTGGA	1209
Db	1141	CCAAGGAATTAATGTATCATCTGTGGAACACAGCAACTGAAGAGGCTTCTTCTGGA	1200
QY	1210	CCCTTGAGATATGCTGATTTCTCACTTGGAGAAATTAAGATTAATATATCTATCAGAGAC	1269
Db	1201	CCCTTGAGATATGCTGATTTCTCACTTGGAGAAATTAAGATTAATATATCTATCAGAGAC	1260
QY	1270	TGACAGGGAACCTCTTCAAGGTGTGTATATTGCAAGAAACATAGAGATAACATTCCTTCA	1329
Db	1261	TGACAGGGAACCTCTTCAAGGTGTGTATATTGCAAGAAACATAGAGATAACATTCCTTCA	1319

OY		1330	AATGAGCGAATGGCCAACTTAAATTGTGTACATGAGTCAGTAGTGAGTGGTGCCTTCCA	1389									
Dd		1330											
OY		1330	AATCAGCTGGATG-CCACTTTAAATTTGTACATGAGTCAGTGGAGCTGGTGTCTTCCA	1378									
Dd		1390	GAGAGTGTCCTTCGAGGGGTATCATCATTTCCGGTTGTGTAATCTTATTCACCATAATGTTCT	1449									
OY		1450	ATCGCTCGTAAGGTAAACTGTATATATACATCATATTAATTAACAATGTTCAATATA	1509									
Dd		1439	ATCGCTCGTAAGGAAAACTGTATATTAACATCATATTAATTAACAATGTTCAATATA	1498									
OY		1510	AACCTAGGAAGAATTGAATTAATCTGTTACTTAACATTCGA	1553									
Dd		1499	AACCTAGGAAGAATGATGATTAATAATCTGTTACTTAACATTTAA	1542									
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RESULT 6													
AAF59945													
ID	AAF59945	standard; cDNA: 1398 BP.											
XX	AAF59945;												
XX													
DI	04-MAY-2001	(first entry)											
XX													
DE	Human gene expression regulatory factor-related protein hnrf3-s cDNA.												
XX													
KW	Human gene expression regulatory factor-related protein; hnrf3-s;												
KW	NGFI-interacting factor; haemopoietic stem cell; preparation;												
KW	detection; ss.												
XX													
OS	Homo sapiens.												
XX													
PN	CN1272543-A.												
XX													
PD	08-NOV-2000.												
XX													
PF	11-APR-2000; 2000CN-0115369.												
XX													
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PA	(MANF-) MANFANG RES CENT STATE HUMAN GENE GROUP.												
PI	L.I.N., Xiao H., Liu F;												
DR	WPT: 2001-183596/19.												
XX	P-PesDB; AAB60663.												
XX													
PT	Human gene expression regulatory factor related protein and its coded												
PS	sequence -												
XX													
PS	Claim 1; Page 18-19; 20pp; Chinese.												
XX													
CC	The invention relates to a novel human gene expression regulatory												
CC	factor-related protein, hnrf3-s (NGFI-interacting factor, AAB60663),												
CC	and cDNA encoding it (AAF59945). hnrf3-s is expressed in haemopoietic												
CC	stem cells. The invention also relates to the preparation of hnrf3-s												
CC	proteins and nucleic acids, and the detection of hnrf3-s proteins and												
CC	nucleic acids in a sample. The present sequence represents cDNA encoding												
CC	hnrf3-s.												
SQ	Sequence 1398 BP; 365 A; 331 C; 342 G; 360 T; 0 other;												
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Query Match													
Best Local Similarity 86.1%; Score 1337.4; DB 22; Length 1398;													
Matches 1394; Conservative 0; Mismatches 1; Indels 6; Gaps 5;													
OY	9	TATCTGTGTGTCGACAGACAGCAAGAGAGATTGGGTCAGAAAACCTGCCGCGC	68										
Dd	1	TATCTGTGTCGTCAGAGAGACAGCAAGAGAGATTGGGTCAGAAAACCTGCCGCGC	60										
OY	69	ACCAAGACACAGCGCACTAGTGGAGACAGGGGTCTCTGACTCAGACTTAATCTGCTGTCT	128										



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Db 61 ACCAGACAGACGCGCTAGTGGAGACGGGCTCCGACTACAGCTTAACCTGGCTGTGT -T 119
Qy 129 CGTGGTTTTTCACTGCTCTGGAAAAAGCGCTGAGTGGACATGGAATGAGCATAGATAG 188
Db 120 CGTGGTTTTTCACTGCTCTGGAAAAAGCGCTGAGTGGACATGGAATGAGCATAGATAG 179
Qy 189 TCCCCAGACAGAGTCCGGTTTGTAGATTCCTGATCTGCAATCTTCCCGTCTCTCATAGG 248
Db 180 TCCCCAGACAGAGTCCGGTTTGTAGATTCCTGATCTGCAATCTTCCCGTCTCTCATAGG 239
Qy 249 ATTGGAAGGCTCTCTTCTTCTTCTTGAATGACTTGCATCCCTCTCGTTACTGAGAGTT 308
Db 240 ATTGGAAGGCTCTCTTCTTCTTCTTGAATGACTTGCATCCCTCTCGTTACTGAGAGTT 299
Qy 309 GGGACAATGTTGATTTAGTGGTGGACCAAGCCCAACATGATGTAATACACTCTCC 368
Db 300 GGGACAATGTTGATTTAGTGGTGGACCAAGCCCAACATGATGTAATACACTCTCC 359
Qy 369 TGACCAATGACCTGAGAGAGTGAATGAGAGAGTGGCTGCAAAAAGAGSCAGACCTCA 428
Db 360 TGACCAATGACCTGAGAGAGTGAATGAGAGAGTGGCTGCAAAAAGAGSCAGACCTCA 419
Qy 429 TTCTCTCTACATCCGCTATCTTCCGACCATGAGAGCGCA -TAACTGSAACATAGG 487
Db 420 TTCTCTCTACATCCGCTATCTTCCGACCATGAGAGCGCATTAACCTGSAACATAGG 479
Qy 488 -AAGGAGCGGCTGTGATCCGGGCTGAGAAAGAGTGGATCTACTCTCTCTA 545
Db 480 GAAAGGAGCGGCTGTGATCCGGGCTGAGAAAGAGTGGATCTACTCTCTCTA 539
Qy 546 CAGCCTATGATGTCGCGCCCGAGGCGTCAACAACATGTTGGTAAAGGCTTGGAGCTT 605
Db 540 CAGCCTATGATGTCGCGCCCGAGGCGTCAACAACATGTTGGTAAAGGCTTGGAGCTT 599
Qy 606 GTACCTCCAGGCCCATATCATCTTCCAAAGCTCCCAATCCTTACAGAGGAAACACCC 665
Db 600 GTACCTCCAGGCCCATATCATCTTCCAAAGCTCCCAATCCTTACAGAGGAAACACCC 659
Qy 666 GAGTGAATTCAGTAACTACACCAAGCGTGGCAAGTATGTCCTGACATGTAAG 725
Db 660 GAGTGAATTCAGTAACTACACCAAGCGTGGCAAGTATGTCCTGACATGTAAG 719
Qy 726 GAAATGACGGTTCCTGCTACTCTTTCCTGCTAGAGTGTAAATGAGAGAAACAC 785
Db 720 GAAATGACGGTTCCTGCTACTCTTTCCTGCTAGAGTGTAAATGAGAGAAACAC 779
Qy 786 GGATTAATCTGAATTTGACTGAGAAAGCTTTGATGCAAGGTGTAGATTTCTTCCGGA 845
Db 780 GGATTAATCTGAATTTGACTGAGAAAGCTTTGATGCAAGGTGTAGATTTCTTCCGGA 839
Qy 846 ACAAAACAATTTATCAGAAAGGAAATTCCTGCTAGAGTGAAGACCTTCTCTACTA 905
Db 840 ACAAAACAATTTATCAGAAAGGAAATTCCTGCTAGAGTGAAGACCTTCTCTACTA 899
Qy 906 CTGGAATGAGACGGTTATGACACTGATGTAATCTGCTCCCTGGCAACATGATGATC 965
Db 900 CTGGAATGAGACGGTTATGACACTGATGTAATCTGCTCCCTGGCAACATGATGATC 959
Qy 966 GAAATAAAGACACCTTAAACTATCTCATATTCCTTACGCCCTTGGGGTGGGGAACCT 1035
Db 960 GAAATAAAGACACCTTAAACTATCTCATATTCCTTACGCCCTTGGGGTGGGGAACCT 1019
Qy 1026 TAGAGTCAAGTCAAGTGTGCTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTG 1085
Db 1020 TAGAGTCAAGTCAAGTGTGCTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTG 1079
Qy 1086 GTGTTGAGGCTGACCTTACCTCAGAGTGAATGTCCTCATGATGATCTTGGATGCTG 1145
Db 1080 GTGTTGAGGCTGACCTTACCTCAGAGTGAATGTCCTCATGATGATCTTGGATGCTG 1139
Qy 1146 CTTCCTCCAGAGATTAATGTCATCTCTGTGTGAACACAGACACATGGAAGGCTTCTT 1205
Db 1140 CTTCCTCCAGAGATTAATGTCATCTCTGTGTGAACACAGACACATGGAAGGCTTCTT 1199

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Qy 1206 CTGACCTTCGAGATATGCTGATTCCTCACTTGGAGAAATAGATAAATATATCCATACG 1265
Db 1200 CTGACCTTCGAGATATGCTGATTCCTCACTTGGAGAAATAGATAAATATATCCATACG 1259
Qy 1266 AGACTGACAGGACCCCTTCTGAGTGTATTAATTCAGAAACATCAGATTAACATATCC 1325
Db 1260 AGACTGACAGGACCCCTTCTGAGTGTATTAATTCAGAAACATCAGATTAACATATCC 1318
Qy 1326 TACAATCAGCTGATGTCGCCCACTTAATTTGTACATGATGATGAGTGGAGTGTGCT 1385
Db 1319 TACAATCAGCTGATGTCGCCCACTTAATTTGTACATGATGATGAGTGGAGTGTGCT 1377
Qy 1386 TCCAGAGAGTGTCTTCGAGG 1406
Db 1378 TCCAGAGAGTGTCTTCGAGG 1398

RESULT 7
ABL60919
ID ABL60919 standard; cDNA; 1385 BP.
AC ABL60919;
NC 23-SEP-2002 (first entry)
DE Human protein kinase C 27.17 polypeptide encoding cDNA.
XX Human: protein kinase C 27.17; protein metabolism; gene; ss.
XX Homo sapiens.
XX OS
XX Key location/Qualifiers
XX CDS 389..1132
XX FT /*tag= a
XX FT /product= "protein kinase C 27.17 polypeptide"
XX PN CN133335-A.
XX PD 30-JAN-2002.
XX PF 07-JUL-2000; 2000CN-0117049.
XX PR 07-JUL-2000; 2000CN-0117049.
XX PA (SHAN-) SHANGHAI BIODOR GENE DEV CO LTD.
XX PI Mao Y, Xie Y;
XX DR WPI: 2002-305609/35.
XX DR P-PSDB: ABB08182.
XX PT Human protein kinase C 27.17 polypeptide and its encoding
XX PS polynucleotide, for treating e.g. protein metabolism disturbance -
XX CC Claim 6; Page 25-26 (disclosure); 33pp; Chinese.
XX CC The invention relates to a human protein kinase C 27.17 polypeptide and
XX CC its encoding polynucleotide. The polypeptide can be expressed by standard
XX CC DNA recombination. The polynucleotide, polypeptide and its antagonist are
XX CC useful for treating e.g. protein metabolism disturbance. The present
XX CC sequence represents the human protein kinase C 27.17 polypeptide encoding
XX CC cDNA.
XX SO Sequence 1385 BP; 375 A; 324 C; 308 G; 378 T; 0 other;

Query Match 83.7%; Score 1300; DB 24; Length 1385;
Best Local Similarity 99.0%; Pred. No. 0;
Matches 1350; Conservative 0; Mismatches 10; Indels 4; Gaps 4;

Qy 188 GTCCCCAGACAGTCCGGTTGTAGATTCCTGATCTGCAATCTTCCGTTCTTCATG 247
Db 25 GTCCCCAGACAGTCCGGTTGTAGATTCCTGATCTGCAATCTTCCGTTCTTCATG 84

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QY 248 GATTGAAAGGCTCCCTTCTCTCTGTAATGACTTTCATCCCTCCTGTTGCTGAGT 307  
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QY 308 TGGGACAATGTGGATTTACTGTTGGAACCAAGCCCAACACATAGTGAATAACTCTTC 367  
DB 145 TGGGACAATGTGGATTTACTGTTGGAACCAAGCCCAACACATAGTGAATAACTCTTC 204  
QY 368 CTGACCAATGACCTGACCTGAGAAAGTGAAGAGAGTCTGCAAAAAGAGGACCTTC 427  
DB 205 CTGACCAATGACCTGACCTGAGAAAGTGAAGAGAGTCTGCAAAAAGAGGACCTTC 264  
QY 428 ATTCTCTCTACCATCCGCTATCTCTCCAGCCATGAACGCAATTAACCTGAACATATG 487  
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QY 488 AAGGAGCGCTGCTGATCCGGCTGGAAGAACAGAGTGGTATCTCTCTCTATACA 547  
DB 325 AAGGAGCGCTGCTGATCCGGCTGGAAGAACAGAGTGGTATCTCTCTCTATACA 384  
QY 548 GCTATGATGTGCGCGCCGAGGCGTCAACAATGTTGGTAAAGGGCTTGGAGCTGT 607  
DB 385 GCTATGATGTGCGCGCCGAGGCGTCAACAATGTTGGTAAAGGGCTTGGAGCTGT 444  
QY 608 ACCTCAGGCCATACATCTTCCAAAGTCTCCCACTACCTACAGAGGGAACACCGA 667  
DB 445 ACCTCAGGCCATACATCTTCCAAAGTCTCCCACTACCTACAGAGGGAACACCGA 502  
QY 668 GTAGATTCAGGTTACTACACCCCAAGCCGGAAGTCAATGCTCAGAGGAAGA 727  
DB 503 GTAGATTCAGGTTACTACACCCCAAGCCGGAAGTCAATGCTCAGAGGAAGA 562  
QY 728 ATTGACGCTGTTCTGCTCACTTCTTCTGCTAGAGTGTATAGGAACAACACG 787  
DB 563 ATTGACGCTGTTCTGCTCACTTCTTCTGCTAGAGTGTATAGGAACAACACG 622  
QY 788 ATTAATCTGAATTTACTAGAAAGCTTTGATGACGTTGATATTTCTTCCGGAAC 847  
DB 623 ATTAATCTGAATTTACTAGAAAGCTTTGATGACGTTGATATTTCTTCCGGAAC 682  
QY 848 AAACAACTTTATCAGAAAGGGAATTTGCTCAGTGAAGAGCTTGTCTACATAC 907  
DB 683 AAACAACTTTATCAGAAAGGGAATTTGCTCAGTGAAGAGCTTGTCTACATAC 742  
QY 908 GGAATGGAAGGTTATGACACACTGATGATCTGTCTCCCTGCAACCATGATGATGA 967  
DB 743 GGAATGGAAGGTTATGACACACTGATGATCTGTCTCCCTGCAACCATGATGATGA 802  
QY 968 ATTAAGAAACACCTAAACATATCTCATTTCCCTTACGCTTGGGTTGGGAGACCTTA 1027  
DB 803 ATTAAGAAACACCTAAACATATCTCATTTCCCTTACGCTTGGGTTGGGAGACCTTA 862  
QY 1028 GAGTCTCAAGTCAAAATCGGCGCTGCTGCTGCTGGGAGAGCGTTCTGCAAGGT 1087  
DB 863 GAGTCTCAAGTCAAAATCGGCGCTGCTGCTGCTGGGAGAGCGTTCTGCAAGGT 922  
QY 1088 GTTGAGGCTGACCTTACTACAGAGGTGAGATGTCCATCATATGATCTTGGATGCTGT 1147  
DB 923 GTTGAGGCTGACCTTACTACAGAGGTGAGATGTCCATCATATGATCTTGGATGCTGT 982  
QY 1148 TCCCAAGGAATTAATGTCACTCTGTGGAACACAGACACGTCAGAGGCTTCTTCT 1207  
DB 983 TCCCAAGGAATTAATGTCACTCTGTGGAACACAGACACGTCAGAGGCTTCTTCT 1042  
QY 1208 GACCTCGAATTTGCTGATTTCTCACTTCTGGAATTAAGTAATTAATCCATACAG 1267  
DB 1043 GACCTCGAATTTGCTGATTTCTCACTTCTGGAATTAAGTAATTAATCCATACAG 1102  
QY 1268 ACTGACAGGAGCCCTTCTGAGTGTATTAATGACAAACATAGATTAACATTCCTTA 1327  
DB 1103 ACTGACAGGAGCCCTTCTGAGTGTATTAATGACAAACATAGATTAACATTCCTTA 1161

QY 1328 CAATCAGCTGGATGCCCACTTAATTTGTAAACATGACTCAGTGGAGCTGTGCTTC 1387  
DB 1162 CAATCAGCTGGATG-CCAACTTAATTTGTAAACATGACTCAGTGGAGCTGTGCTTC 1220  
QY 1388 CAGAGAGTCTTTCGAGGCTATCATATTTCCGGTTTGTAAATCTTATTCACCAATGTT 1447  
DB 1221 CAGAGAGTCTTTCGAGGCTATCATATTTCCGGTTTGTAAATCTTATTCACCAATGTT 1280  
QY 1448 CTATGCTGCTGTAAGGTAAGTAATGTAATTAATTAATTAATTAATTAATTAATTAAT 1507  
DB 1281 CTATGCTGCTGTAAGGTAAGTAATGTAATTAATTAATTAATTAATTAATTAATTAAT 1340  
QY 1508 TAAACTCTAGGAAGATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1551  
DB 1341 TAAACTCTAGGAAGATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1384

RESULT 8  
AAS85172/c  
ID AAS85172 standard; cDNA; 1686 BP.  
XX  
AC AAS85172;  
XX  
DT 13-FEB-2002 (first entry)  
XX  
DE DNA encoding novel human diagnostic protein #20976.  
XX  
XX Human; chromosome mapping; gene mapping; gene therapy; forensic;  
KW food supplement; medical imaging; diagnostic; genetic disorder; ss.  
XX Homo sapiens.  
XX  
PN WO200175067-A2.  
XX  
PD 11-OCT-2001.  
XX  
XX 30-MAR-2001; 2001MO-US08631.  
XX  
XX 31-MAR-2000; 2000US-0540217.  
PR 23-AUG-2000; 2000US-0649167.  
XX  
XX (HYSE-) HYSE INC.  
XX  
XX Drmanac RT, Liu C, Tang YF;  
XX  
XX WPI; 2001-639362/73.  
XX P-SDB; ABG20985.  
XX  
XX New isolated polynucleotide and encoded polypeptides, useful in  
PT diagnostics, forensics, gene mapping, identification of mutations  
PT responsible for genetic disorders or other traits and to assess  
PT biodiversity.  
XX  
PS Claim 1; SEQ ID NO 20976; 103pp; English.  
XX  
XX The invention relates to isolated polynucleotide (I) and  
XX polypeptide (II) sequences. (I) is useful as hybridisation probes,  
XX polymerase chain reaction (PCR) primers, oligomers, and for chromosome  
XX and gene mapping, and in recombinant production of (II). The  
XX polynucleotides are also used in diagnostics as expressed sequence tags  
XX for identifying expressed genes. (I) is useful in gene therapy techniques  
XX to restore normal activity of (II) or to treat disease states involving  
XX (II). (II) is useful for generating antibodies against it, detecting or  
XX quantitating a polypeptide in tissue, as molecular weight markers and as  
XX a food supplement. (II) and its binding partners are useful in medical  
XX imaging of sites expressing (II). (I) and (II) are useful for treating  
XX disorders involving aberrant protein expression or biological activity.  
XX The polypeptide and polynucleotide sequences have applications in  
XX diagnostics, forensics, gene mapping, identification of mutations  
XX and to produce other types of data and products dependent on DNA and  
XX amino acid sequences. AAS64197-AAS94564 represent novel human  
XX diagnostic coding sequences of the invention.







Db 279 ATTCTCTCTACCATCCGCTATCTTCCAGCCATGAAAGGATTAACCTGGAACACATGG 338  
OY 488 AAGAGAGCGCTGCTGATCCGGCTCTGAGAAACAGAGTGGTATCTACTCTCCATACA 547  
Db 339 AAGGAGCGCTGTGTATCCGGGCTCTGGAGAACAGAGTGGTATCTACTCTCCATACA 398  
OY 548 GCCTATGATGCTGCGCCCGCCAGGCGCTCAACAACTGGTGGCTAAAGGGCTTGAGCTTGT 607  
Db 399 GCCTATGATGCTGCGCCCGCCAGGCGCTCAACAACTGGTGGCTAAAGGGCTTGAGCTTGT 458  
OY 608 ACCT 611  
Db 459 ACCT 462

RESULT 12  
AAK78763  
ID AAK78763 standard; DNA; 14969 BP.  
XX AAK78763;  
XX  
DT 07-NOV-2001 (first entry)  
XX  
DE Human immune/haematopoietic antigen genomic sequence SEQ ID NO:33575.  
XX  
KW Human; immune; haematopoietic; immune/haematopoietic antigen; cancer;  
KW cytostatic; gene therapy; vaccine; metastasis; ds.  
XX  
OS Homo sapiens.  
XX  
PN WO200157182-A2.  
XX  
PD 09-AUG-2001.  
XX  
PF 17-JAN-2001; 2001WO-US01354.  
XX  
PR 31-JAN-2000; 2000US-0179065.  
PR 04-FEB-2000; 2000US-0180628.  
PR 24-FEB-2000; 2000US-0184664.  
PR 02-MAR-2000; 2000US-0186350.  
PR 16-MAR-2000; 2000US-0189874.  
PR 17-MAR-2000; 2000US-0190076.  
PR 18-APR-2000; 2000US-0198123.  
PR 09-MAY-2000; 2000US-0205515.  
PR 07-JUN-2000; 2000US-0209467.  
PR 28-JUN-2000; 2000US-0214886.  
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PR 23-AUG-2000; 2000US-0227009.  
PR 30-AUG-2000; 2000US-0228924.

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PR 05-SEP-2000; 2000US-0229513.  
PR 06-SEP-2000; 2000US-0230437.  
PR 06-SEP-2000; 2000US-0230438.  
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PR 21-SEP-2000; 2000US-0234274.  
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PR 17-NOV-2000; 2000US-0249210.  
PR 17-NOV-2000; 2000US-0249211.









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